

FORM PTO 1449 (modified)

ATTY DOCKET NO.  
448563/0235APPLICATION NO.  
10/696,249U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

APPLICANT

Kobayashi et al.

FILING DATE

October 29, 2003

GROUP

2861

LIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AN	2,526,019	10/17/1950	Fowler			
	3,270,771	9/6/1966	Morgan et al.			
	3,354,902	11/28/1967	Obermaier			
	3,779,274	12/18/1973	Kelly			
	3,941,149	3/2/1976	Mittleman			
	4,152,710	5/1/1979	Matsuba et al.			
	4,183,031	1/8/1980	Kyser et al.			
	4,520,369	5/28/1985	Shackleton			
	4,869,282	9/26/1989	Sittler et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
DE 1 009 870	6/30/1955	Germany			
GB 751 289	6/27/1956	Great Britain			Eng. Orig.
FR 1 145 605	10/28/1957	France			
DE 1 152 583	9/19/1958	Germany			
FR 1 268 227	6/1961	France			
DE 1 852 284	11/30/1961	Germany			
DE 1 550 194	8/28/1969	Germany			
DE 2 230 642	12/28/1972	Germany			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
AN/KO	12/10/04

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				FILING DATE <b>October 29, 2003</b>		GROUP <b>2861</b>	

  

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<div style="font-size: 2em; text-align: center;">X</div>	4,971,527	11/20/1990	Dick				
	5,039,997	8/13/1991	Pullen et al.				
	5,138,344	8/11/1992	Ujita				
	5,280,300	1/18/1994	Fong et al.				
	5,305,795	4/26/1994	Forberg				
	5,343,226	8/30/1994	Niedermeyeyr et al.				
	5,367,328	11/22/1994	Erickson				
	5,388,615	2/14/1995	Edlund et al.				
	5,426,459	6/20/1995	Kaplinsky				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
	FR 2 391 405 A1	12/1978	France				
	JP 55 146766	11/15/1980	Japan			w/ Eng. Abst.	
	JP 56 013183	2/9/1981	Japan			w/ Eng. Abst.	
	JP 57 006777	1/13/1982	Japan			w/ Eng. Abst.	
	JP 57 197176 A	12/3/1982	Japan			w/ Eng. Abst.	
	JP 58 036457 A	3/3/1983	Japan			w/ Eng. Abst.	
<div style="font-size: 2em; text-align: center;">X</div>	DE 3 202 796 A1	8/4/1983	Germany				
<div style="font-size: 2em; text-align: center;">X</div>	EP 0 112 701 A2	7/4/1984	EPO			Eng. Orig.	
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER <div style="font-size: 1.5em; text-align: center;">Anh/ko</div>				DATE CONSIDERED <div style="font-size: 1.5em; text-align: center;">12/04</div>			

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AN	5,453,772	9/26/1995	Aono et al.	/	/	/
	5,477,963	12/26/1995	Mochizuki et al.			
	5,539,437	7/23/1996	Penwell			
	5,500,663	3/19/1996	Ujita et al.			
	5,646,664	7/8/1997	Pawlowski, Jr.			
	5,653,251	8/5/1997	Handler			
	5,691,753	11/25/1997	Hilton			
	5,736,992	4/7/1998	Pawlowski, Jr.			
	5,737,001	4/7/1998	Taylor			

  

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
AN	EP 0 116 466 A2	8/22/1984	EPO	/	/	Eng. Orig.
	GB 2 147 975	5/22/1985	Great Britain			Eng. Orig.
	EP 0 238 829 A2	9/30/1987	EPO			Eng. Orig.
	JP 62 231759	10/12/1987	Japan			
	EP 0 336 307 A2	10/11/1989	EPO			Eng. Orig.
	EP 0 339 770 A2	11/2/1989	EPO			Eng. Orig.
	JP 2 072271	3/12/1990	Japan			w/ Eng. Abst.
		EP 0 412 643 A1	2/13/1991			EPO

  

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	

  

EXAMINER <div style="font-size: 1.5em; margin-top: 10px;">Anhko</div>	DATE CONSIDERED <div style="font-size: 1.5em; margin-top: 10px;">12/04</div>
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AV</i> <div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>	5,751,319	5/12/1998	Robertson et al.	X	X	X
	5,777,646	7/7/1998	Barinaga et al.			
	5,796,419	8/18/1998	Clark et al.			
	5,969,737	10/19/1999	Koyama et al.			
	6,010,211	1/4/2000	Betschon			
	6,130,696	10/10/2000	Mashita et al.			
	6,302,531	10/16/2001	Usui et al.			
	6,332,481	12/25/2001	Shinada et al.			
	6,383,436	5/7/2002	Nishimuro et al.			

  

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
<i>AV</i> <div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>	EP 0 424 133 A2	4/24/1991	EPO	X	X	Eng. Orig.	
	WO 92/12371	7/23/1992	Japan			Eng. Orig.	
	EP 0 509 686 A2	10/21/1992	EPO			Eng. Orig.	
	JP 5 050609	3/2/1993	Japan			w/ Eng. Abst.	
	EP 0 529 880 B1	3/3/1993	EPO			Eng. Orig.	
	JP 5 162324 A	6/29/1993	Japan			w/ Eng. Abst.	
	JP 5 201018	8/10/1993	Japan			w/ Eng. Abst.	
		JP 5 229137	9/7/1993			Japan	

  

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)	

  

EXAMINER <div style="text-align: center; font-size: 1.5em; margin-top: 20px;"><i>Anh/Ko</i></div>	DATE CONSIDERED <div style="text-align: center; font-size: 1.5em; margin-top: 20px;"><i>12/02/04</i></div>
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AV	6,390,611	5/21/2002	Kobayashi et al.			
	6,416,152	7/9/2002	Matsuzaki et al.			
	6,422,691	7/23/2002	Kobayashi et al.			
	6,460,984	10/8/2002	Matsumoto et al.			
	6,585,358	7/1/2003	Usui et al.			
	6,648,459	11/18/2003	Usui et al.			8/7/01
	6,666,551	12/23/2003	Kobayashi et al.			11/27/01
	2002/0089083	7/11/2002	Nishimuro et al.			
	2002/0109760	8/15/2002	Miyazawa et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
AV	EP 0 562 717 A1	9/29/1993	EPO			Eng. Orig.
	EP 0 709 207 A2	5/1/1996	EPO			Eng. Orig.
	JP 8 174860	7/9/1996	Japan			w/ Eng. Abst.
	EP 0 760 288 A1	3/5/1997	EPO			Eng. Orig.
	DE 195 45 775 A1	6/12/1997	Germany			
	EP 0 794 059 A2	9/10/1997	EPO			Eng. Orig.
	JP 9 290514	11/11/1997	Japan			w/ Eng. Abst.
	EP 0 827 836 A1	3/11/1998	EPO			Eng. Orig.
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER  <div style="font-size: 1.5em; font-family: cursive;">Anh/Go</div>			DATE CONSIDERED  <div style="font-size: 1.5em; font-family: cursive;">12/04</div>			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<div style="font-size: 2em; font-family: cursive;">AV</div>	2002/0135646	9/26/2002	Usui			
	2002/0154200	10/24/2002	Miyazawa et al.			
	2002/0158948	10/31/2002	Miyazawa et al.			
	2002/0171721	11/21/2002	Ota et al.			
	2002/0171722	11/21/2002	Hara et al.			
	2002/0171723	11/21/2002	Ota et al.			
	2002/0180849	12/5/2002	Sakai et al.			
	2003/0007043	1/9/2003	Ota et al.			
	2003/0058312	3/27/2003	Iida			

  

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<div style="font-size: 2em; font-family: cursive;">m</div>	JP 10 086402	4/7/1998	Japan			w/ Eng. Abst.
	JP 10 244685	9/14/1998	Japan			w/ Eng. Abst.
	GB 2 323 332 A	9/23/1998	Great Britain			Eng. Orig.
	EP 0 879 702 A2	11/25/1998	EPO			Eng. Orig.
	JP 10 315504	12/2/1998	Japan			w/ Eng. Abst.
	JP 11 058772	3/2/1999	Japan			w/ Eng. Abst.
	EP 0 903 236 A2	3/24/1999	EPO			Eng. Orig.
<div style="font-size: 2em; font-family: cursive;">m</div>	JP 11 091122	4/6/1999	Japan			w/ Eng. Abst.

  

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<div style="font-size: 2em;">X</div>	2003/0058313	3/27/2003	Iida			
	2003/0085970	5/8/2003	Sakai et al.			
	2003/0103119	6/5/2003	Sakai et al.			
	2003/0107627	6/12/2003	Seino et al.			
	2003/0107629	6/12/2003	Kobayashi et al.			
	2003/0128261	7/10/2003	Usui et al.			
	2003/0146959	8/7/2003	Iida			
	2004/0051766	3/18/2004	Miyazawa et al.			2/14/03
	2004/0056936	3/25/2004	Usui et al.			9/25/03
FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
<div style="font-size: 2em;">X</div>	EP 0 919 384 A2	6/2/1999	EPO			Eng. Orig.
	JP 11 170558 A	6/29/1999	Japan			w/ Eng. Abst.
	JP 11 179932	7/6/1999	Japan			w/ Eng. Abst.
	EP 0 956 958 A2	11/17/1999	EPO			Eng. Orig.
	WO 00/03877 A1	1/27/2000	Japan			w/ Eng. Abst.
	EP 1 016 533 A1	7/5/2000	EPO			Eng. Orig.
	EP 1 125 747 A2	8/22/2001	EPO			Eng. Orig.
	JP 2001-270129	10/2/2001	Japan			w/ Eng. Abst.
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	09/525,477	3/15/2000	Miyazawa	X	X	
	10/778,766	2/13/2004	Miyazawa et al.			2/13/2004
	10/819,756	4/6/2004	Miyazawa			4/6/2004
	10/826,918	4/16/2004	Miyazawa et al.			4/16/2004

  

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	WO 01/78988 A1	10/25/2001	Japan	X	X	w/ Eng. Abst.
	JP 2002-103642	4/9/2002	Japan			w/ Eng. Abst.
	EP 1 199 178 A1	4/24/2002	EPO			Eng. Orig.
	EP 1 258 358 A1	11/20/2002	EPO			Eng. Orig.
	EP 1 270 235 A1	1/2/2003	EPO			Eng. Orig.

  

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